

10/821573

Appl. No. 10/821,573
Amdt. dated August 18, 2006
Reply to Office Action of April 20, 2006

PATENT

NO:49, GenBank #U32720) were aligned using the ClustalX alignment program (Thompson *et al.* (1997) *Nucleic Acids Res.* 25, 4876-82). The shading was produced by the program GeneDoc (Nicholas, K. B., and Nicholas, H. B. (1997) URL: <http://www.cris.com/~ketchup/genedoc.shtml> www.cris.com/~ketchup/genedoc.shtml).

Please replace the paragraph beginning at page 15, line 11 with the following amended paragraph:

Examples of algorithms that are suitable for determining percent sequence identity and sequence similarity are the BLAST and BLAST 2.0 algorithms, which are described in Altschul *et al.* (1990) *J. Mol. Biol.* 215: 403-410 and Altschuel *et al.* (1977) *Nucleic Acids Res.* 25: 3389-3402, respectively. Software for performing BLAST analyses is publicly available through the National Center for Biotechnology Information (<http://www.ncbi.nlm.nih.gov/>) (www.ncbi.nlm.nih.gov/). For example, the comparisons can be performed using a BLASTN Version 2.0 algorithm with a wordlength (W) of 11, G=5, E=2, q= -2, and r = 1., and a comparison of both strands. For amino acid sequences, the BLASTP Version 2.0 algorithm can be used, with the default values of wordlength (W) of 3, G=11, E=1, and a BLOSUM62 substitution matrix. (see Henikoff & Henikoff, *Proc. Natl. Acad. Sci. USA* 89:10915 (1989)).

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Please replace the paragraph beginning at page 48, line 2 with the following amended paragraph:

The primers used to amplify the LPS biosynthesis locus of *C. jejuni* OH4384 were based on preliminary sequences available from the website (~~URL:~~ http://www.sanger.ac.uk/Projects/C_jejuni/) (~~www.sanger.ac.uk/Projects/C_jejuni/~~) of the *C. jejuni* sequencing group (Sanger Centre, UK) who sequenced the complete genome of the strain NCTC11168. The primers CJ-42 and CJ-43 (all primers sequences are described in Table 2) were used to amplify an 11.47 kb locus using the ExpandTM long template PCR system. The PCR product was purified on a S-300 spin column (Pharmacia Biotech) and completely sequence on

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